

# Technical Datasheet

## POXEMYC UV 2/C Aluminium

Product Code: 08824 Enamel



### DESCRIPTION

Two-component polyurethane enamel based on hydroxylated acrylic resins and a polyfunctional aliphatic isocyanate hardener, offering high hardness and excellent gloss and colour retention.

### USE: INTERIOR - EXTERIOR

Topcoat enamel for the protection of all types of ferrous surfaces—steel, iron (previously primed)—as well as galvanised steel and aluminium (after appropriate surface preparation), and non-ferrous substrates such as concrete, wood, fibreglass-reinforced polyester, and PVC, where high chemical resistance and maximum weather resistance are required.

Ideal for painting railway carriages, tankers, storage tanks, machinery, ships, and industrial facilities exposed to aggressive atmospheres.

Not recommended for application on surfaces coated with coal tar or bituminous asphalt products.

### PROPERTIES

- High hardness and abrasion resistance
- Exceptional weather resistance
- Resistant to ultraviolet (UV) radiation
- Good resistance to oils, solvents, acids, and alkalis
- Withstands temperatures up to 150°C
- Smooth, high-quality glossy finish

### CERTIFICATIONS

- Fire reaction classification: B-s1, d0, in accordance with UNE-EN 13501-1.
- Tested as a topcoat enamel in paint systems for corrosivity category C4 with low, high, and very high durability, and for category C5 with medium and high durability, in accordance with ISO 12944-6. Tested by Tecnalia Laboratory.

**Finish:** Gloss

**Colour:** Ral 9006 aprox.

**Mixture viscosity:** Min. 60" S/FR1002

**Mixture density:** 1,02 gr/cc S/FR1001

**Drying time @ 20°C:** Touch dry in 2 hrs.

**Min. repaint time:** 16 hours

**Max. repaint time:** Unlimited

**Thinner:** D-70/D-17

**Practical coverage:** 17 m<sup>2</sup>/l (for 30 microns DFT)

**Mixture volume solids:** 51 ± 5 %.  
Theoretical

**Mixture flashpoint:** Flammable (31°C)

**A/B proportion by volume:** 10:1

**A/B proportion by weight:** 10:1

**Mixture potlife:** Min. 4 hours  
(Depending on environmental conditions)

**Mixture Induction time:** 15 minutes

**Relative humidity:** Max.80%

**VOC Content:** Maximum 500 g/l

08824 ALUMINIUM

Format: 4 L



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### SURFACE PREPARATION

#### IRON AND STEEL

Surfaces must be free from grease, rust, and mill scale. Apply a first coat of \*DYNAPOK 2/C Primer\* (Code 22.722) or \*DYNAFAST 2/C Primer\* (Code 26710), followed by two or three coats of \*POXEMYC UV 2/C\*, depending on the required film thickness.

#### ALUMINIUM AND GALVANISED SURFACES

If hot-dip galvanised surfaces have been exposed to the atmosphere, they may exhibit zinc corrosion (white rust) and accumulation of contaminants. These should be removed by washing with clean fresh water, detergents, and abrasive synthetic fibres, then thoroughly rinsed with hot water. Alternatively, hot water, high-pressure water, steam cleaning, sweep blasting, or manual/mechanical cleaning may be used, in accordance with ISO 12944-4.

If greater protection is required, apply a coat of \*DYNAPOK 2/C Primer\* (Code 22.722) or \*DYNAFAST 2/C Primer\* (Code 26710).

#### CONCRETE SURFACES

Allow full curing of the substrate (minimum 1 month). The surface must be completely dry; moisture content should not exceed 4%, measured at a depth of 2 cm. The surface must be firm and free from dust, laitance, grease, or poorly adhered parts. Minimum tensile strength: 15 kg/cm<sup>2</sup>.

Grease and rubber stains should be removed using solvents or detergents, followed by rinsing with water. If stains persist, use shot blasting or grinding.

Laitance and curing agents must be removed by shot blasting or grinding, followed by vacuuming to remove dust, ensuring a rough, contaminant-free surface.

The surface should have sufficient roughness to ensure good adhesion. It is advisable to carry out a preliminary test on a representative area (1 m<sup>2</sup>) for greater certainty.

On concrete surfaces, at least two coats of \*POXEMYC UV 2/C\* must be applied. The first coat should be thinned with 15% \*D-70\* or \*D-17 Thinner\*. After 24 hours, apply a second coat undiluted or thinned with 5% \*D-70\* or \*D-17 Thinner\*. If the gloss is not uniform, a third coat may be necessary.

### APPLICATION TIPS

Stir the contents of the container until completely homogenised.

Apply only to sound, clean surfaces that are free from efflorescence (salt deposits) and mould.

Do not apply the enamel to damp surfaces or those excessively heated by direct sunlight.

Thin the product depending on the porosity and condition of the substrate.

#### MIXING PREPARATION

Stir Component A in its container. Once fully homogenised, slowly add Component B (in the specified mixing ratio) while mixing mechanically at low speed. Continue mixing for 2 minutes until a uniform blend is achieved. If necessary, transfer the mixture to another container and stir again to ensure a perfectly homogeneous mix. Allow the mixture to rest for 15 minutes.

During application, stir occasionally to prevent aluminium pigment from settling.

Do not use the enamel more than 5 hours after mixing.

#### ENVIRONMENTAL CONDITIONS

Relative humidity must not exceed 80%. There must be no rising damp. The substrate temperature must be at least 12 °C. Avoid condensation. Do not apply if rain or strong winds are expected.

#### APPLICATION METHOD

By brush: Apply at the supplied viscosity.

By spray gun:

- Nozzle diameter: 0.045" to 0.055"
- Nozzle pressure: 3–4 bar
- Thinning: Between 0 and 15% by volume

Airless spray gun

- Nozzle size: 0.015" – 0.017"
- Nozzle pressure: 150–200 bar
- Thinning: 0–5% by volume

A minimum of seven days at ambient temperature is required for full polymerisation, to allow complete evaporation of the solvents.

#### CLEANING

Clean tools and equipment with \*Thinner D-70\* (Code 50.007).

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The JUNO logo consists of the word "JUNO" in a bold, white, sans-serif font, centered within a solid red square.

### OBSERVATIONS

To allow complete evaporation of the solvents, a minimum of seven days at ambient temperature is required for full polymerisation.

### SAFETY & ENVIRONMENT

As this is a solvent-based product, it must be applied with good air circulation and appropriate protective measures. Avoid sources of ignition. Minimise product waste by estimating the required quantity in advance, taking into account the surface area (m<sup>2</sup>), porosity, and texture of the substrate.

Store any leftover material in a dry, well-ventilated place. The container should be clean and appropriately sized for the amount of remaining product. Seal containers carefully and store them upright to prevent leaks. Protect containers from frost, high temperatures, and direct sunlight. Recover unused product where possible to repurpose it and reduce environmental impact.

Do not eat, drink or smoke during product preparation and application. Surface preparation and application must be carried out using suitable safety measures. For further information, consult the Safety Data Sheet.

In case of contact with eyes, rinse immediately with clean water in abundance. Keep out of reach of children.

Do not dispose of into drains or the environment. Dispose of at an authorised waste collection point. Contact your local council for guidance on proper recycling of the container, paint waste, and any remaining product in accordance with regulations and environmental responsibility principles.

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